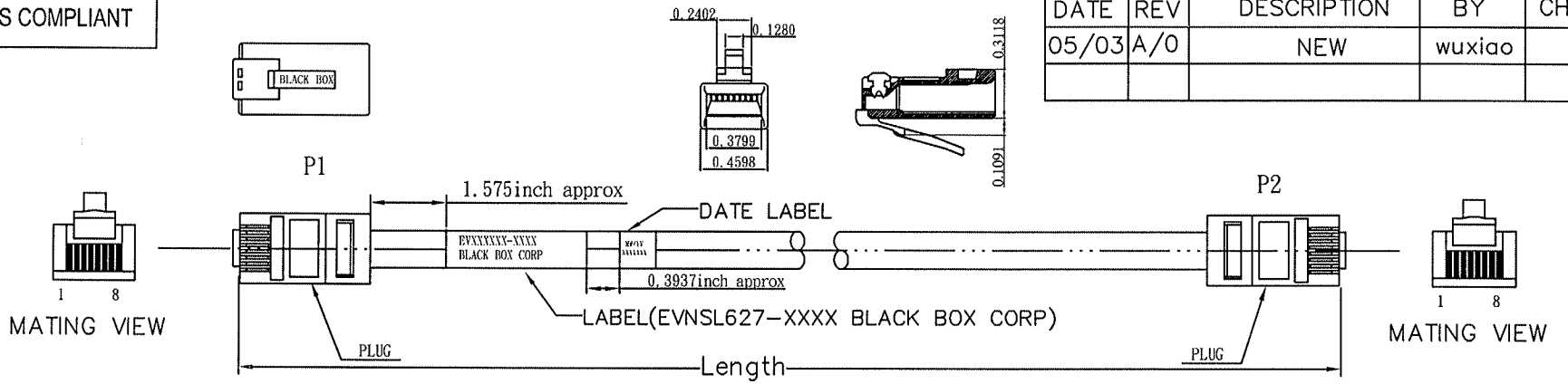
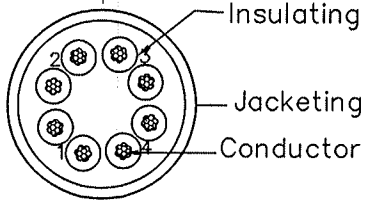
ROHS COMPLIANT

DATE	REV	DESCRIPTION	BY	CHKD
05/03	A/0	NEW	wuxiao	

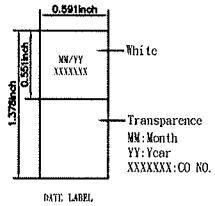


Marking:BLACK BOX CORPORATION GUARANTEED FOR LIFE (724)746-5500 — GIGATRUE CATEGORY 6 — E196163-Y (UL) C(UL) CM 60℃ 4PR 24AWG ETL VERIFIED TIA/EIA-568-B.2-1 CAT6 TESTED TO 550MHZ PATCH CABLE



orange 2 white/orange	green 3 white/green
blue 1 white/blue	brown 4 white/brown

Attenuation (Maximmum):40.5dB @250MHz ;62.1dB @550MHz
Cable Type:4-pair UTP
Conductor Gauge:24AWG, stranded
Frequency:Up to 550MHz
Impedance:100±15 ohms
NEXT (Minimum):38.3dB @250MHz ;33.2dB @550MHz
PS-NEXT (Minimum):36.3dB @250MHz ;31.2dB @550MHz
Return Loss (Minimum):15.6dB @250MHz ;2.60dB @550MHz
Standards:TIA/EIA-568-B.2-1 Category 6

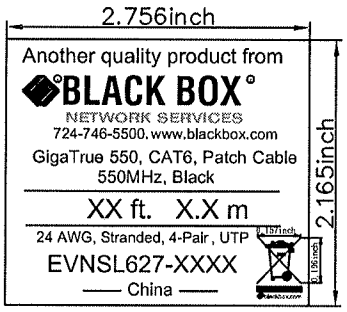


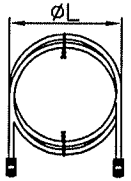
	PINOUT		
PA/R	P1(T568B)	WIRE	P2(T568B)
1	1	WHT/ORG	1
	2	ORG	2
2	3	WHT/GRN	3
	6	GRN	6
3	4	BLU	4
	5	WHT/BLU	5
4	7	WHT/BRN	7
	8	BRN	8

Conductor		Bare Copper 24AWG 7/0.0077inch approx
Insulation		Thickness:MIN at any point:0.0059inch MAX AVG:0.0098inch Diameter:0.0406inch approx
Jacketing	PVC	Thickness:MIN at any point:0.0181inch MAX AVG:0.0213inch Diameter:0.2323inch approx

WIRE	CAT.6 UTP Stranded 24AWG*4P
PLUG	Assembly 8P8C 50U"(1.27μm) Gold 3 piece Plug(film+stand+plug)
XXXX=Length	1FT 2FT 3FT 4FT 5FT 6FT 7FT 10FT 15FT 20FT 25FT 30FT 50FT 100FT

RJ45 Plugs Standard - IEC 60603-7





Unless specified on the drawing, tolerances are per the follows:
. ± 1
.X ± 0.2
.XX ± 0.05

3RD

BLACK BOX®
Category 6 NON - Booted Gigatrue Black Patch Cable

DRAW.NO	CW-0327	ITEM	EVNSL627-XXXX		
DEPARTMENT		DRAW	wuxiao	DATE	2011/05/03
SCALE		CHECKER		APPROVAL	
UNIT	INCH	SHEET	1 OF 1		